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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/644,513	08/20/2003	Bryce A. Jones	2305	6581
28005	7590	07/30/2007		
SPRINT			EXAMINER	
6391 SPRINT PARKWAY			NGUYEN, TUAN HOANG	
KSOPHT0101-Z2100				
OVERLAND PARK, KS 66251-2100			ART UNIT	PAPER NUMBER
			2618	
			MAIL DATE	DELIVERY MODE
			07/30/2007	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary

Application No.

10/644,513

Applicant(s)

JONES ET AL.

Examiner

Tuan H. Nguyen

Art Unit

2618

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 16 May 2007.
- 2a) ☐ This action is FINAL. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1,3,4 and 6-19 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☒ Claim(s) 1,3,4 and 6-11 is/are allowed.
- 6) ☒ Claim(s) 12-19 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Continued Examination Under 37 CFR 1.114

1. A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on 10/19/2006 has been entered.

Claim Rejections - 35 USC § 102

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

3. Claims 12-19 are rejected under 35 U.S.C. 102(e) as being anticipated by Chow et al. (US PUB. 2003/0053434 hereinafter, "Chow").

Consider claim 12, Chow teaches a method of mobility management of a multi-mode mobile station, said multi-mode mobile station being able to wirelessly communicate with a wireless wide area network (WWAN) and with a wireless local area network (WLAN), said method comprising: said multi-mode mobile station associating with a wireless access point of said WLAN (fig. 1 page 5 [0060] and page 7 [0122]); a private branch exchange (PBX), communicatively coupled to said wireless access point, receiving a service registration message from said multi-mode mobile station, said service registration message identifying said multi-mode mobile station (fig. 1 page 3 [0040]); said PBX storing information regarding said multi-mode mobile station in a WLAN data register (page 6 [0088]); and said WLAN data register sending a registration message to a WWAN data register in said WWAN, said registration message identifying said multi-mode mobile station (page 7 [0122]).

Consider claim 13, Chow further teaches PBX receiving a service registration message from multi-mode mobile station, service registration message identifying multi-mode mobile station (page 5 [0060]); and PBX sending a registration notification message to WLAN data register, registration notification message identifying multi-mode mobile station (page 7 [0122]).

Consider claim 14, Chow further teaches WLAN data register storing a data record for multi-mode mobile station (page 7 [0122]).

Consider claim 15, Chow further teaches WLAN data register receiving a routing request from said WWAN (page 5 [0060]); and sending a routing message to said WWAN data register, said routing message including routing information to route a call to said multi-mode mobile station (page 7 [0122]).

Consider claim 16, Chow further teaches routing information includes a directory number associated with said PBX (page 5 [0060]).

Consider claim 17, Chow further teaches routing information includes a directory number associated with a media gateway communicatively coupled to said WLAN via a packet-switched network (page 3 [0040]).

Consider claim 18, Chow further teaches routing information includes an Internet Protocol (IP) address of said PBX (page 5 [0060]).

Consider claim 19, Chow further teaches routing information includes an Internet Protocol (IP) address of said multi-mode mobile station (page 5 [0060]).

Reasons For Allowance

4. Claims 1, 3-4 and 6-11 are allowed over the prior art record.

5. The following is an examiner's statement of reasons for allowance:

Chow teaches a wireless local area network (WLAN) for providing wireless telecommunications services to a multi-mode mobile station, said multi-mode mobile station being able to wirelessly communicate with a wireless wide area network (WWAN) when operating in a first wireless coverage area, said WWAN including a first data register that contains a first data record for said multi-mode mobile station, said WLAN comprising: at least one wireless access point providing a second wireless coverage area, said multi-mode mobile station being able to wirelessly communicate with said at least one wireless access point when said multi-mode mobile station operates in said second wireless coverage area; a private branch exchange (PBX) communicatively coupled to said at least one wireless access point.

Consider claim 1, the prior art made of record, fails to clearly teach or fairly suggest a second data register communicatively coupled to co-located with said PBX and communicatively coupled to said first data register, wherein said second data register stores a second data record for said multi-mode mobile station when said multi-mode mobile station operates in said second wireless coverage area, said second data register being able to transmit at least one mobility management message to said first data register, whereby said at least one mobility management message facilitates roaming between said first and second wireless coverage areas by said multi-mode mobile station, in combination with other limitations, as specified in the independent claim 1, and further limitations of their respective dependent claims 3-4 and 6-11.

Conclusion

6. Any response to this action should be mailed to:

Mail Stop_____ (Explanation, e.g., Amendment or After-final, etc.)

Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450

Facsimile responses should be faxed to:

(571) 273-8300

Hand-delivered responses should be brought to:

Customer Service Window

Randolph Building

401 Dulany Street

Alexandria, VA 22313


Any inquiry concerning this communication or earlier communications from the examiner should be directed to Tuan H. Nguyen whose telephone number is (571)272-8329. The examiner can normally be reached on 8:00Am - 5:00Pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Maung Nay A. can be reached on (571)272-7882882. The fax phone number for the organization where this application or proceeding is assigned is (571) 273-8300.

Art Unit: 2618

Information Consider the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Tuan Nguyen
Examiner
Art Unit 2618
T.N.

 7/23/07
QUOCHIEN B. VUONG
PRIMARY EXAMINER